Umetco Minerals Corporation



PO BOX 579 4625 ROYAL AVENUE • NIAGARA FALLS NEW YORK 14302

February 7, 1986

Mr. George Kasyk New York State Department of Labor 69th Floor Two World Trade Center New York, NY 10047

Copy. Mr R F Kelly

Subject Request for Termination of Radioactive Materials License No 210-0090

Dear Mr Kasyk

On behalf of Umetco Minerals Corporation I am requesting that Radioactive Materials License No 210-0090 be terminated. The sources listed on the license as well as other radioactive material described below have been removed from the Technology site and have been disposed of in an approved fashion Documentation of the disposal, together with the results of "wipe" tests by a qualified organization are appended

The sources listed on License No. 210-0090 are

Two	Cesium 137	Sealed source units - not to exc millicuries of Cesium 137 (each) Industrial Nucleonic Corporation	
0ne	Cadium 109	Sealed source (Amersham/Searle Model CUC 2, 3, or 4)	3 millicuries
One	Iron 55	Sealed Source (Amersham/Searle Dwg No SS/SK/450)	20 millicuries
0ne	Cobalt 57	Sealed Source (Amersham/Searle Model CTC or CTC-3)	l millicurie
One	Plutonium 238	Sealed Source (Amersham/Searle Model PPC 2, 4 or 5)	30 millicuries

The other radioactive materials were "an unknown quantity of radium source" reported to Mr Robert Kelly of your Buffalo Office in a letter from R J Klotzbach, April 18, 1984, an Alphatron Gauge, about 3-1/2 pounds of thorium chemicals, four (4) 3-1/2 x 1-3/4" fused Thorium Oxide crucibles, and an Alnor dewpointer

BLIND COPIES T.J Kagetsu F.V McMillen D.G Millenbruch R L. Miller C.T Wentzel

File L of 3

Details of disposal are summarized below.

DISPOSAL OF RADIOACTIVE MATERIALS

Radioactive Source	Disposal	Broker or <u>Manufacturer</u>	Packaged By	<u>Carrier</u>	<u>Date</u>
(2) CS 137	Nuclear Res Warrington,PA	Accuray (Manufacturer)	C.Kolodjeski (Accuray)	Smith Transfer	10/17/85
Alnor Dewpointer	Alnor Inst Co Skokie, IL (Manufacturer)		A Gonas (Umetco)	UPS	12/6/85
Cd 109 Co 57 Fe 55 Pu 238	Amersham (Manufacturer)		F Susterick (Amersham)	Federal Express	12/10/85
Nitrate(2#) Chloride(1#	rucibles - 3-1/2 ge	Chem Nuclear (Broker) " x 1-3/4"	J Bender (Chem Nuclear)	Consolidated Freightways	12/31/85

Documentation of receipt of the radioactive materials is appended

Results of smear tests (7/1/85) taken on the sealed sources showed they were not leaking as of that date (copy appended.)

Mr. Robert Hamner, acting radiation officer for Elkem Metals, verified in a survey completed February 3, 1986 that the locked cabinet in which the radioactive sources and thorium chemicals were stored was free of radioactivity. A letter to me attesting to this is also appended.

As I informed the Department of Labor in a letter to Dr F J Bradley, January 31, 1986, Umetco Minerals is to be sold; closing date is targeted for March 31, 1986 I will be retiring about that time - If you need any more information to proceed with termination of Radioactive Material License No 210-0090 please contact me as soon as possible

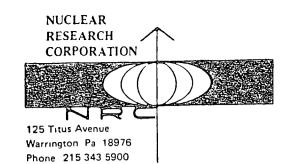
Thank you for your attention to this request

Very truly yours,

D J. Hansen

Assistant Director-Technology

mau/322h Attachments



October 25, 1985

المساسية المساسية

4115-4

Umetco Minerals Corporation Technology Department P. O Box 579 Niagara Falls, NY 14302

ATTENTION DR. D. J. HANSEN

SUBJECT RECEIPT OF RADIATION SOURCES

UMETCO P 0. #615-301927

NRC JOB #8322I

Dear Dr Hansen

This is to acknowledge that Nuclear Research Corporation has received the following sources from Umetco Minerals Corporation, Niagara Falls, New York under U S NRC License Nos 37-02401-01 and 37-02401-04G

SOURCE S/N	MODEL	ISOTOPE	ACTIVITY	DATE RECEIVED
CS2225	LS101-S6	Cs-137	50 mCı	10/21/85
CS2243	LS101-S6	Cs-137	50 mCı	10/21/85

Should you have any questions, please do not hesitate to get in touch with us

Sincerely,

NUCLEAR RESEARCH CORPORATION

T. W Schwager

Ass't Radiation Safety Officer

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	SMITH TRANSFER					Cirners No
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SHIPPING MEMORANDUM

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Umetco Minerals	Corporation

DATE SHIPPED

OCT 17,1985

FOR O/T SHIPPING POINT

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CHECKED BY A



INSTRUMENT COMPANY

7555 N LINDER AVENUE • SKOKIE, ILLINOIS 60077 • 312/647-7866
TELEX 72-4458

UMETCO MINERAL CORPORATION P.O.Box 579 Niagra Falls, NY 14302

December 31,1985

Attn A.M Gonas

This is to notify you of the disposal of 1 Alnor Dewpointers you sent in.

Dewpointers with the model/serial number 7000U/17340 were disposed of on December 27,1985 in accordance with current and prevailing regulations of the Illinois Department of Nuclear Safety. All documentation has been filed for any possible future reference.

If we can be of any further service, please let us know.

Regards,

ALNOR INSTRUMENT COMPANY

Raymond Schmidt

Director, Quality Assurance

cc: A.F. Manz Sales File

Umetco Minerals Corporation



PO BOX 579 4625 ROYAL AVENUE • NIAGARA FALLS NEW YORK 14302

December 6, 1985

Ms Eileen Block Alnor Instrument Company 7555 N. Linder Avenue Skokie, IL 60077

Dear Ms Block:

As per our phone conversation of December 3, 1985 I am returning one Alnor Type 7000 Dew Point instrument to your company for disposal. You may dispose of this instrument in any manner consistant with your procedures. Shipment to you will be by U.P.S. Ground Service.

We would request a letter verifying that you did indeed receive the above mentioned instrument and have disposed or otherwise relieved us of ownership of the instrument.

Very truly yours,

A. M. Gonas

AMG/mau

Blind Copies

D. J. Hansen

T. J. Kagetsu

D. G. Millenbruch

Amersham Corporation

2636 South Clearbrook Drive Arlington Heights Illinois 60005 4692 (312) 593 6300





January 9, 1986

Mr. Don Henson Umetco Minerals Corporation 137-47th Street Niagara Falls, NY 14302

Dear Mr Henson:

The four sources loaded, for disposal on December 6, 1985 have been received The sources listed below will be processed in accordance to the applicable NRC regulations prior to disposal

Product Code	Isotope	Activity	Serial Number
CUC-234	Cd-109	3mCı	A-962
CTC-3	Co-57	1mCı	C-633
N/A	Fe-55	20mC 1	23
PPC-245	Pu-238	30mCı	72223

Please advise if further information is required on the disposition of the sources

Very truly yours,

Fred V.Susterich Project Engineer Industrial Products

FVS/ew

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ATTACHMENT

Description of services to be provided by CNSI at Union Carbide's UMETCO Facility, Niagara Falls, New York.

- 1. CNSI will provide services as described in Item I, Scope, for the following materials:
 - a. Approx. 1/2 lb Thorium Oxide Powder4.5 mr/hrEst .0499 mci
 - Approx. 2 lbs Thorium Nitrate Powder3.0 mr/hrEst .199 mci
 - c. Approx. 1 1b Thorium Chloride Powder
 2.5 mr/hr
 Est .099 mci
 - d. (4) 3 1/2" x 1 3/4" crucibles (fused Thorium Oxide)
 - e. (1) Alphatron Gauge, 5" x 1 1/4", open on one end 50 mr/hr @ 10 cm from opening Est 1.5 nci/gm (700 lbs cement)
 - f. 3" x 4" x 1/4" envelope containing radium 20 mr/hr surface, 3.5 mr/hr @ 10 cm Est 1.322 nci/gm (700 lbs cement)
- 2. CNSI will perform services in two (2) eight hour days.

US Ecology Inc P O Box 638 Richland Washington 99352 509/377 2411 Uniclea 11) unercelis

CHEM-NUCLEAR SYSTEMS INC. 220 STONERIDGE DRIVE COLUMBIA SC 29210 MAILED

JAN 24 1986

RECEIVED

FEB 7 1800

USEcology

FILE D. J. HANSEN

This is to certify that the waste described below was received for disposal at the US Ecology Richland, Washington Low-Level Radioactive Waste Disposal Facility. This certification satisfies Conditions 31(a) and 31(b) (Acknowledgment of Receipt of Waste) of the State of Washington Radioactive Materials License WN-I019-2 issued to US Ecology, Inc.

BATES NUMBER

14347

GENERATOR NUMBER

NYR-99-002-2642

MANIFEST NUMBER

55808

SHIPMENT NUMBER

UMC-1-85

DATE RECEIVED

1/23/86

SIGNATURE

DATE 1/23/86

Discrepancies (if any) between wastes listed on the manifest and waste materials received in the shipment:

none

NOTE: Any inquiries to this acknowledgment should be directed to Mike Nolan, Facility Radiation Safety Officer.



DSHS 13-424

(4/80)

DEPARTMENT OF SOCIAL AND HEALTH SERVICES OLYMPIA, WASHINGTON

LOW-LEVEL RADIOACTIVE WASTE SHIPMENT CERTIFICATION FOR COMMERCIAL GENERATOR/PACKAGERS, AND BROKERS AND CARRIERS

The following certification, completed as applicable, is made to the State of Washington

Certification is hereby made to the State of Washington that Radiation Shipment Record No Umc-1-85 of low-level radio-active waste has been inspected in accordance with requirements of the Governor of Washington's Executive Order dated November 19, 1979, prior to its shipment—Further certification is made that the inspection has revealed no items of non-compliance with all applicable laws, rules and regulations

The undersigned shall indemnify and hold harmless the State of Washington, in an amount not to exceed \$1,000,000 00 per individual who may be injured, provided that indemnification shall not exceed \$5,000,000 00 in total, for each occurrence, from any and all claims, suits, losses, damage, injury and expenses to any person whomsoever or to property arising or growing out of or in any manner connected with the activities performed under this order

Except for any violation of applicable existing state or federal statute or regulation respecting packaging and shipment, inspection and acceptance of any item, or container or material covered by this certification by the State of Washington or a duly authorized contractor shall release the party who executed this certificate from any and all requirement of indemnification from injury or loss

SECTION A FOR THE GENERATOR/PACKAGER UMETCU MINERALS (C.2) PERMIT NUMBER 8-1168 VOLUME OF WASTE IN THIS SHIPMENT 40 ft DATE 12 31 85 BY LEMBER JAMEN TITLE ASSISTANT DIRECTOR Chemical Science Technology Dept
SECTION B FOR THE BROKER Chem-Nuclear Systems Inc (Company Name)
PERMIT NUMBER (Company Name)
/ / }
VOLUME OF WASTE IN THIS SHIPMENT 4.0/At 1
DATE 12/31/85 BY 10/12/16
TITLE BROKER
SECTION C FOR THE CARRIER CUNSULIDATED FREIGHT WAYS (Company Name)
VOLUME OF WASTE IN THIS SHIPMENT 4.0 ++3
DATE 12/3/85 BY (2/3/85)
TITLE DRIVETK
DSHS RHF-31A

PO Box 726 • Barnwell South Carolina 29812 • (803) 259-1781

STRAIGHT B	ILL OF LADING -	- SHORT FORM -	– ORIGINAL –	– NOT NEGOTIA	ABLE
RECEIVED, sub	ect to the classificat	ions and tariffs in ef	fect on the date o	of the issue of this l	Bill of
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The property described below in apparent good order except as noted (contents and condition of contents of packages unknown). Marked consigned and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination. It on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination. And as to each party of only time interested in all or any of said property that every service to be performed hereunder shall be subject to all the terms and conditions of the uniform domestics, straight bill of loding set forth (1) in official. Southern Western and Illinois Freight Classifications in effect on the date hereof, if this is a rail or a rail water shipment. Or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

85-365-2

Trailer No.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of loding including those on the back thereof, set forth in the classifical Shipper hereby certifies that he is familiar with all the terms and conditions are hereby agreed to by the shipper and accepted for himself and this assigns.

(MAIL OR STREET ADDRESS OF CONSIGNEE — FOR PURPOSES OF NOTIFICATION ONLY.)

LEGNI

FROM UMETO MINIOTALS CORP. Date 12/31/85

At 4625 ROYAL AVE NIAGARA TAILS NY 14302

LEGAL

CONSIGNED TO

1) S ECULOGY

DESTINATION

Reservation

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LEGAL

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IMPORTANT This is to certify that the above named materials are properly classified described packaged marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Signature Denald Manser

Received the property described above in good condition except as otherwise noted

Driver Driver 10 100 tout 17 EICHTWAY

Date and Time 12/5/1/85 1200

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SCHEDULED TO ARRIVE	DATE 17 31-85	TIME AM	COMPLETED LOADING	DATE 12-31 85	TIME A M	SHIPPER'S SIGNATURE Donald Hanson
ARRIVED AT SHIPPER	DATE 12 31-85	11ME	LEFT SHIPPER	DATE / 2 - 7/- 85	TIME 12US (PM)	SHIPPER'S SIGNATURE DOScoled Horrison

SHIPPER IMPORTANT NOTE Your signature certifies that the above dates and times are correct for record keeping and billing purposes

/ -: DH -

Send all kits and requests to

SUNTRAC SERVICES, INC

P 0 Box 57722

Webster, Texas 77598-0722

ATTN	SIT-KIT	Phone: (713) 326-234	16	
CAUTION	Conduct a surve Any reading ove be mailed.	y of the outside of each r 0.5 mr/hr at contact wi	package placed in the US Mail th envelope or package shall no	S)t
	!	LEAK TEST INVENTORY/RE	EPORT FORM	
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1301016		3 F(st. H)	ACTIVITY 50 m. LEAK TEST DATE 6- 27- 5 ElHem Metals Compan	95
IDENT./	SERIAL NO CS	1243 (Storage)	LEAR ILST DATE	
SMEAR 7	TAKEN BY Robert	m Hamner - 1	ElHem Metals Campas	44.
		DO NOT WRITE BELOW TH	HIS LINE	
undicat	tion of source leak	akage to be	∠.000/ uC1 (We	t)
Certif	1ed by (Suntrac	Services, Inc. Apresenta	Date	

SSI-02 Rev 0 6/23/81 Send all kits and requests to

...C # ~

SUNTRAC SERVICES, INC

P. 0 Box 57722

Webster, Texas 77598-0722



Phone: (713) 326-2346 ATTN SIT-KIT					
CAUTION Conduct a survey of the outside of each package placed in the U.S Mails Any reading over 0 5 mr/hr at contact with envelope or package shall not be mailed.					
LEAK TEST INVENTORY/REPORT FORM					
Company Name CHICA Carbida, Cimate D.V					
Address Po Box 1374 City N. ayan Fulls State My Zip 14303					
Company Name UHION Carbide Come To D. V Address Po Box 1374 City N. ayan Falls State My Zip 14303 ISOTOPE PU 233, Co 57, Fz 55, Cd 109 ACTIVITY 3000 City, Imc., 300, 300					
IDENT /SERIAL NO 722/3, 6-633, 73, 4-762 LEAK TEST DATE 6-97-85					
SMEAR TAKEN BY Robert M. Hammer - Elber Metals Company					
DO NOT WRITE BELOW THIS LINE					
This is to certify that the above described smear has been assayed at our facilities for indication of source leakage.					
Our findings show the leakage to be ALPHA BETA-GAMMA <.0001 <.0001 uC1 (Wet)					
Certified by (Suntrac Services, Inc Regresentative) Date 7/1/85					

SSI-02 Rev 0 6/23/81



Technology Center 4625 Royal Avenue, PO Box 1344 Niagara Falls NY 14302 ☎ (716) 286-7400 Telex II 710-524-1664 RECEIVED

FEB 6 1986

D. J. HANSEN

February 4, 1986

Dr. Donald J. Hansen Assistant Director - Chemical Science Technology Department Umetco Minerals Corporation P. O. Box 579 Niagara Falls, NY 14302

Dear Dr. Hansen

Upon your request, a test was conducted on February 3, 1986 to determine if any residual radiation was left in a cabinet previously used to store radio-active sources and chemicals. No radiation above background was noted. This cabinet is located in Building 166, Room 367, 4625 Royal Avenue, Niagara Falls, New York, which is presently occupied by Elkem Metals Company.

Very truly yours,

RM Hanner

R. M Hamner

Acting Radiation Officer

RMH1/LAB